

CLAIMS

1. A polarizing plate with optical compensation function, comprising at least two optically compensating layers, the optically compensating layers comprising:
 - 5 an optically compensating A-layer formed of a polymer film, satisfying conditions represented by formulae (I) and (II) below; and
 - an optically compensating B-layer formed of a non-liquid crystalline polymer film, satisfying conditions represented by formulae (III) to (V) below,
- 10 $20 \text{ (nm)} \leq R_{e_a} \leq 300 \text{ (nm)}$ (I)
 $1.0 \leq R_{z_a} / R_{e_a} \leq 8$ (II)
 $1 \text{ (nm)} \leq R_{e_b} \leq 100 \text{ (nm)}$ (III)
 $5 \leq R_{z_b} / R_{e_b} \leq 100$ (IV)
 $1 \text{ (\mu m)} \leq d_b \leq 20 \text{ (\mu m)}$ (V)
- 15 in the formulae (I) and (II),
 $R_{e_a} = (n_{x_a} - n_{y_a}) \cdot d_a$
 $R_{z_a} = (n_{x_a} - n_{z_a}) \cdot d_a$
where n_{x_a} , n_{y_a} , and n_{z_a} represent refractive indices in an X-axis direction, a Y-axis direction, and a Z-axis direction in the optically compensating A-layer,
20 respectively, with the X-axis direction being an axial direction exhibiting a maximum refractive index within a plane of the optically compensating A-layer, the Y-axis direction being an axial direction perpendicular to the X-axis within the plane, the Z-axis direction being a thickness direction perpendicular to the X-axis and the Y-axis, and d_a represents a thickness of
25 the optically compensating A-layer,
in the formulae (III) to (V),
 $R_{e_b} = (n_{x_b} - n_{y_b}) \cdot d_b$
 $R_{z_b} = (n_{x_b} - n_{z_b}) \cdot d_b$
where n_{x_b} , n_{y_b} , and n_{z_b} represent refractive indices in an X-axis direction, a
30 Y-axis direction, and a Z-axis direction in the optically compensating B-layer,
respectively, with the X-axis direction being an axial direction exhibiting a maximum refractive index within a plane of the optically compensating B-layer, the Y-axis direction being an axial direction perpendicular to the X-axis within the plane, the Z-axis direction being a thickness direction
35 perpendicular to the X-axis and the Y-axis, and d_b represents a thickness of the optically compensating B-layer.

2. The polarizing plate with optical compensation function according to claim 1, wherein the polymer film forming the optically compensating A-layer is a stretched film or a liquid crystal film.
- 5 3. The polarizing plate with optical compensation function according to claim 1 or 2, wherein the non-liquid crystalline polymer film forming the optically compensating B-layer is a film of at least one selected from the group consisting of polyamide, polyimide, polyester, polyetherketone, polyaryletherketone, polyamide imide, and polyesterimide.
- 10 4. The polarizing plate with optical compensation function according to any one of claims 1 to 3, further comprising a pressure-sensitive adhesive layer, the pressure-sensitive adhesive layer being arranged on at least one surface of the polarizing plate.
- 15 5. A liquid crystal display comprising a liquid crystal cell and a polarizing plate, wherein the polarizing plate is the polarizing plate according to any one of claims 1 to 4 and is arranged on at least one surface of the liquid crystal cell.
- 20 6. An image display comprising the polarizing plate according to any one of claims 1 to 4.